



Created: 2 hours, 3 minutes after earthquake

Version 3

PAGER

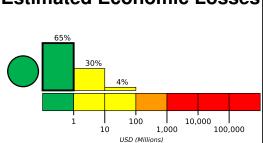
M 5.4, 43 km ENE of Barcelona, Philippines

Origin Time: 2023-12-02 20:39:30 UTC (Sun 04:39:30 local) Location: 8.2480° N 126.8195° E Depth: 56.1 km

Estimated Fatalities 100 10,000 1,000

and economic losses. There is a low likelihood of casualties and damage.

Green alert for shaking-related fatalities Estimated Economic Losses



Estimated Population Exposed to Earthquake Shaking

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ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	7,398k*	2,162k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

nonulation per 1 cg, km from Landecan

Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking	
(UTC)	(km)		MMI(#)	Deaths	
1987-05-23	149	5.7	VII(70k)	1	
1990-02-08	293	6.7	VIII(96k)	1	
2002-03-05	379	7.5	VIII(12k)	15	

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure from GeoNames.org

MMI City Population I۷ **Bislig** 68k IV Hinatuan 10k IV Lingia 6k IV Barcelona 4k IV Tidman 3k IV Loyola 3k Ш Magugpo 233k Ш Butuan 310k Ш Libertad 250k Ш Davao 1.213k Ш **Digos** 116k

bold cities appear on map.

(k = x1000)

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PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.